

FLUID MECHANICS

1	Course Title:	FLUID MECHANICS
2	Course Code:	FZK2403
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	There is no course prerequisite
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. SERTAN KEMAL AKAY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof. Dr. S. Kemal AKAY E-mail: kakay@uludag.edu.tr İş tel: 0 224 29 41 719 Adres: Uludağ Üniversitesi Fen Edebiyat Fakültesi Fizik Bölümü 16059 Görükle Kampüsü Bursa
17	Website:	
18	Objective of the Course:	Basic properties of fluids (surface tension, capillary, cohesion-adhesion forces, etc.) and determine the various factors of the static fluid changes
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Understands the differences according to different items of fluids
	2	The behavior of the fluid can be expressed on a daily basis in their daily life
	3	calculate the pressure for fluids
	4	Behavioral differences between the fluids and the effects of stagnant or flowing fluids can comprehend
	5	Interpret the surrounding formations of Pascal and Archimedes' principle-based on applications
	6	Sees the concept of ideal fluid facilities created by science
	7	Stokes describes the flow of blood in your veins, and the Van der Waals equation with Poiseuille behavior and learn the properties of real fluid
	8	
	9	
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The concept of the fluid, the fluid properties and effects	

ÖK4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	3	3	3	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK6	4	4	4	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK7	4	4	4	0	0	3	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			